

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-051835

(43)Date of publication of application : 21.02.1990

(51)Int.Cl.

H01J 37/22

G01N 23/00

H01J 37/04

H01J 37/141

(21)Application number : 63-202250

(71)Applicant : SHIMADZU CORP

(22)Date of filing : 12.08.1988

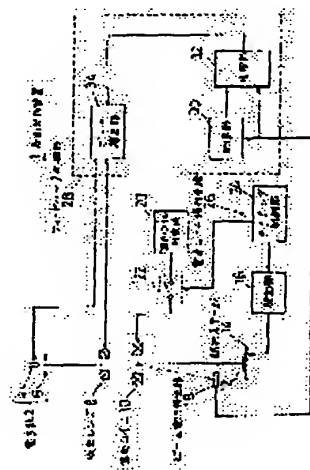
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(57)Abstract:

PURPOSE: To invariably obtain analysis results with high reliability by utilizing the time of the backlash removing action of a sample stage to monitor the aging change of the radiation state of an electron beam and feedback-controlling the radiation state of the electron beam based on monitored results.

CONSTITUTION: An electron beam deflecting means 26 deflects an electron beam in coincidence with the timing of the backlash removing action of a sample stage 14 by a driving section 16. This deflected electron beam is detected by a beam current detecting section 18. A feedback control section 28 controls an electron gun 2 and a focusing lens 8 based on the detected output to correct the radiation state of the electron beam. The aging change of the radiation state of the electron beam is invariably corrected, thus analysis results with high reliability are invariably obtained.





(19)

(11) Publication number: **02051835 A**

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **63202250**(51) Intl. Cl.: **H01J 37/22 G01N 23/00 H01J 37/04 H01J 37/141**(22) Application date: **12.08.88**

(30) Priority: (43) Date of application publication: 21.02.90 (84) Designated contracting states:	(71) Applicant: SHIMADZU CORP (72) Inventor: TANIGUCHI JUNICHI KOYANAGI KAZUO (74) Representative:
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